

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF FISH AND GAME

STREAM SURVEY

FILE FORM NO.....

DATE: January 7, 1971

NAME: Mark West Creek COUNTY: Sonoma

STREAM SECTION: _____ FROM: Mouth TO: Upper fish limit LENGTH: 25.6mi.

TRIBUTARY TO: Russian River ...TWP: 8N R: 9W SEC: 32

OTHER NAMES: Not knownRIVER SYSTEM: Russian

SOURCES OF DATA: Personal observation of R. Klamt and R. Edwards on August 17, 1970

- EXTENT OF OBSERVATION
- Include: Name of Surveyor, Date, Etc
- LOCATION
- RELATION TO OTHER WATERS
- GENERAL DESCRIPTION
- Watershed
- Immediate Drainage Basin
- Altitude (Range)
- Gradient
- Width
- Depth
- Flow (Range)
- Velocity
- Bottom
- Spawning Areas
- Pools
- Shelter
- Barriers
- Diversions
- Temperatures
- Food
- Aquatic Plants
- Winter Conditions
- Pollution
- Springs
- FISHES PRESENT AND SUCCESS
- OTHER VERTEBRATES
- FISHING INTENSITY
- OTHER RECREATIONAL USE
- ACCESSIBILITY
- OWNERSHIP POSTED OR OPEN
- IMPROVEMENTS
- PAST STOCKING
- GENERAL ESTIMATE
- RECOMMENDED MANAGEMENT
- SKETCH MAP
- REFERENCES AND MAPS

EXTENT OF OBSERVATION - Mark West Creek from mouth to upper fish limit 25.6 miles upstream.

LOCATION - Mark West Creek flows into the Russian River at Mirabel Park 8 miles East of Guerneville.

RELATION TO OTHER WATERS - The Russian River flows into the Pacific Ocean at Jenner.

GENERAL DESCRIPTION:

Watershed / Immediate Drainage Basin - Bowl- to U-shaped canyon with moderate to rough terrain forested with alder, oak, and willow.

Altitude - At mouth, 100 ft. At upper fish limit, 1500 ft.

Gradient - 54 ft. per mile.

Width - Average: riffles - 2 ft. pools - 8 ft.

Depth - Average: riffles - 3 in. pools - 1½ ft.

Flow - Estimated average approximately ¾ cfs.

Velocity - Rapid.

Bottom - Average: silt - 40%; sand - 40%; pea gravel - 5%; marble gravel - 5%; baseball rubble - 5%; ping pong gravel - 5%.

Spawning Areas - Averaged 45%. Substrate extremely compact.

Pools - 60% frequency: width - 8 ft. depth - 1% ft. length - 15 ft.

Shelter - Good - 6 ft. shelter/10 ft. stream. Mostly from vegetation.

Barriers - 1 irrigation dam.

Diversions - None noted.

Temperatures - Maximum at a point 25 miles upstream from mouth on

August 17, 1970 at 1100: Altitude - 80 ft. Weather - Clear. Air - 73°F. Water - 62°F.

Food - Lamprey, caddisfly and mayfly larvae, aquatic beetles.

Aquatic Plants - Algae.

Winter Conditions - Flow 3.15 ft. above summer level.

Pollution - Cow and sheep excrement.

Springs - Few noted.

FISHES PRESENT AND SUCCESS - Silver Salmon, Steelhead, Sculpin, Roach, Topminnows. Sizes: SS - ½-3in. SH - 1-3 in. 4-6 in. Sc - 1-4 in. Ro - 1-2 in. Tm - 1-2½ in. Abundance: SS&SH - 60/100 ft. All others numerous.

OTHER VERTEBRATES - Frogs, salamanders.

FISHING INTENSITY - Not known.

OTHER RECREATIONAL USES - Summer homes.

ACCESSIBILITY - Mark West Creek is accessible from a variety of roads that run adjacent to the stream for nearly its entirety.

OWNERSHIP - Not known.

POSTED OR OPEN - Some sections posted.

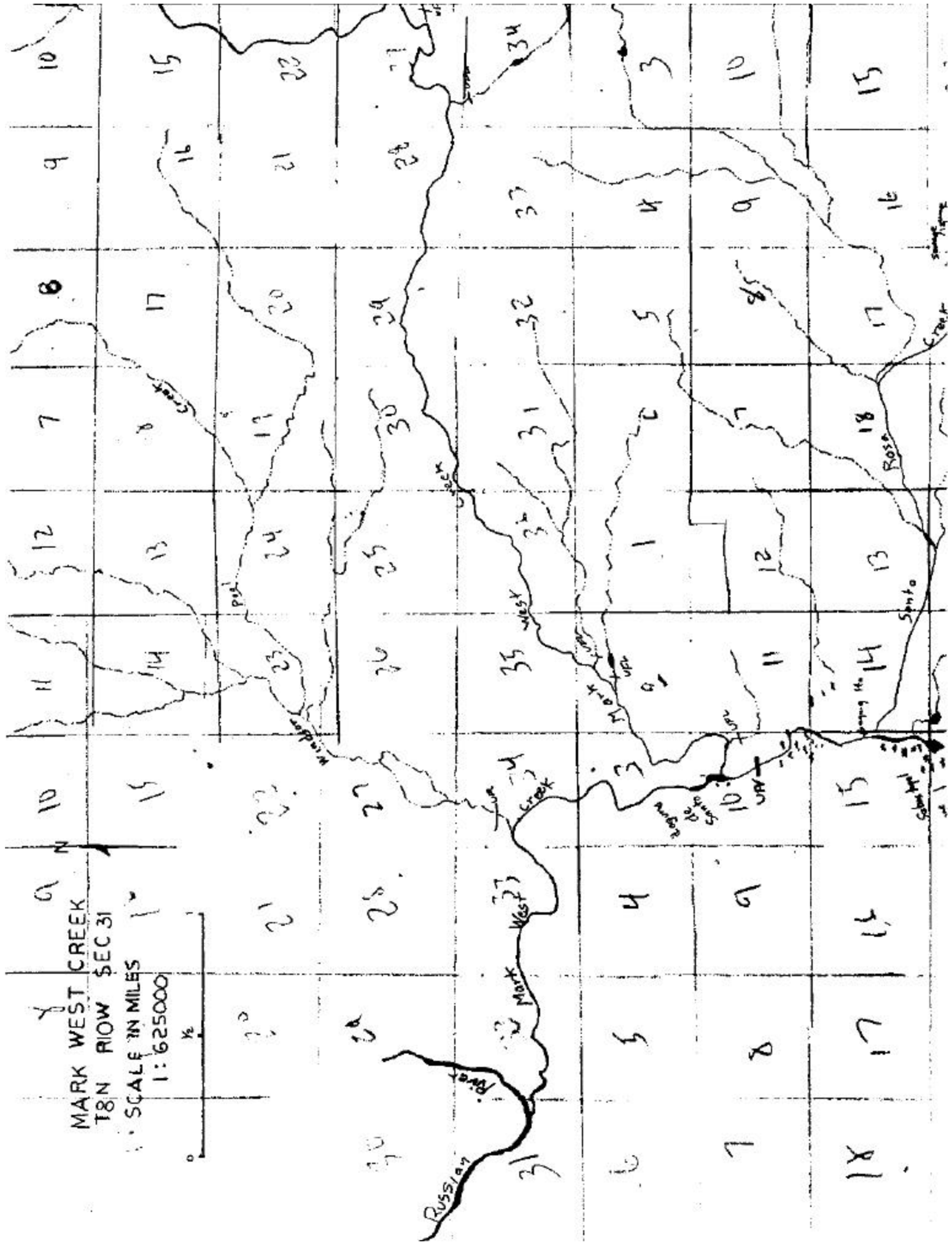
IMPROVEMENTS - No improvements needed.

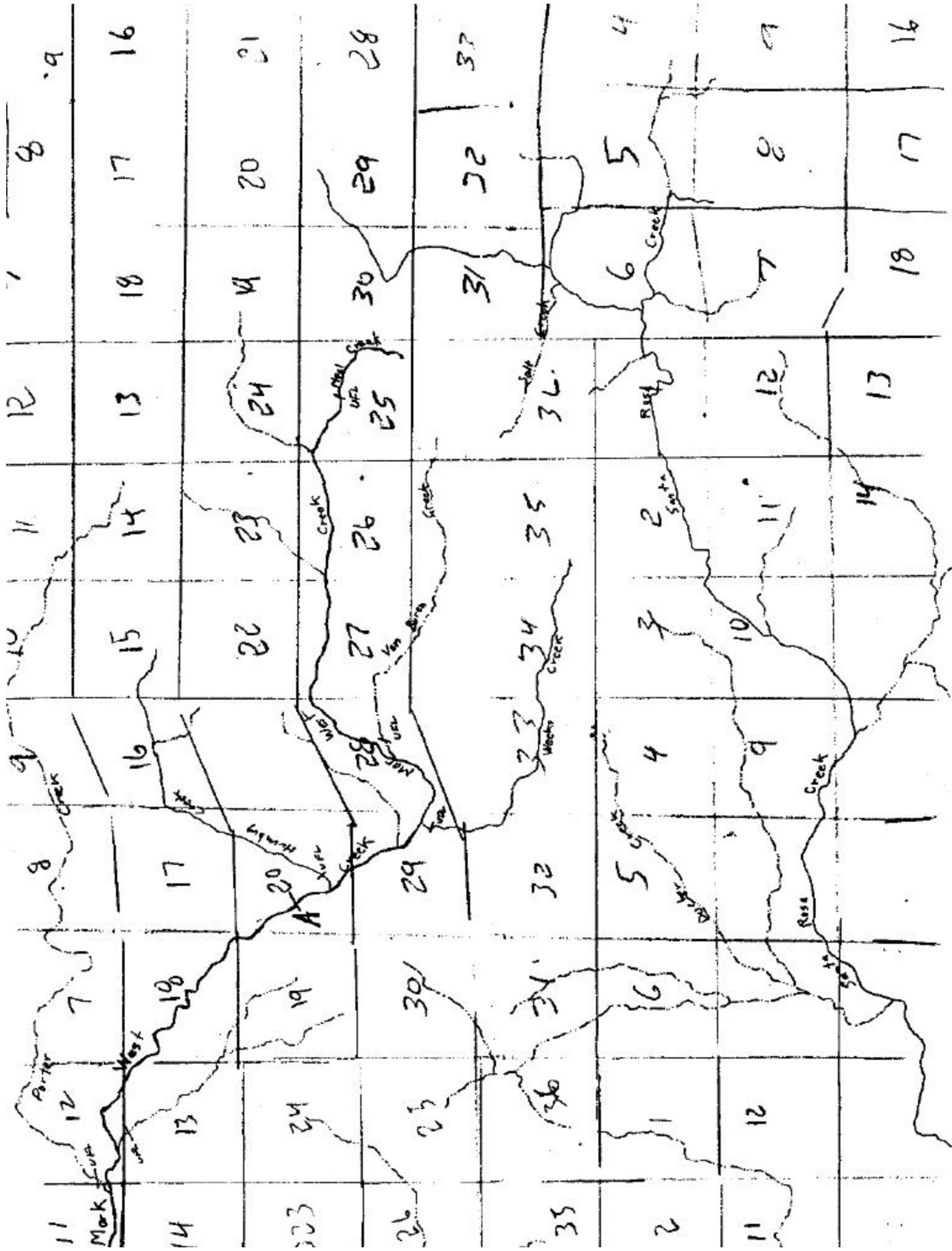
GENERAL ESTIMATE - Mark West Creek offers some 20 miles of good spawning and rearing grounds for Salmonids.

RECOMMENDED MANAGEMENT - No recommended management.

SKETCH MAP - Attached.

REFERENCES AND MAPS – U.S.G.S. 15 minute series (Sebastopol, Calistoga, Santa Rosa, Healdsburg Quads.) 1954. Scale: 1 to 62,500.





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